



The Chemical Company

RHEOFIT™ 1103 (Rheomix 700FC)

Plasticising admixture for manufactured concrete products

DESCRIPTION

Rheofit 1103 ready to use admixture is a new generation plasticiser based on innovative polycarboxylate technology. **Rheofit 1103** admixture is specially formulated for cost efficient production of manufactured concrete products such as concrete block, segmental retaining wall units, paving stones, dry-cast pipe and roofing tile.

When added to dry cast concrete mixes, cement dispersion is enhanced by **Rheofit 1103** admixture. The resulting increase in active surface area improves cement efficiency producing greater compressive and flexural strength. The proprietary, friction-reducing polymers contained in **Rheofit 1103** admixture, improves material flow, compaction and extrusion characteristics. This effect helps to maximise the production rate at which dry cast concrete products can be fabricated.

Rheofit 1103 admixture produces little change to the appearance of non-admixture treated concrete products.

RECOMMENDED FOR

- Concrete blocks
- Pavers
- Segmental retaining wall units
- Concrete roof tiles
- Dry cast concrete pipe

FEATURES AND BENEFITS

- *Enables a faster rate of concrete product fabrication*
- *Increases both early and late age compressive and flexural strength*
- *Improves colour and texture consistency*
- *Reduces compaction resistance and machine wear*
- *Reduced culls*
- *Enables cement reduction*
- *Provides extended life of product forming parts*
- *Lowers overall per unit cost*

DISPENSING

For maximum efficiency, add **Rheofit 1103** admixture after the majority of mix water (approximately 75%) has been introduced and the cement has been sufficiently dampened. Allow at least 90 seconds of additional mix time after **Rheofit 1103** admixture has been dispensed.

DOSAGE

The recommended dosage rate for **Rheofit 1103** admixture is 150-1000 ml per 100kg of cement. For block, segmental retaining wall units, pavers and roofing tile, the typical dosage range is 150-325 ml per 100kg of cement. Concrete pipe applications may utilise the entire dosage range depending on the required strength performance. Please consult with your local BASF Construction Chemicals technical representative if dosage rates outside of the stated ranges are being considered.

PACKAGING

Rheofit 1103 admixture is available in 205L drums and by bulk delivery.

PRECAUTIONS

If **Rheofit 1103** admixture freezes, thaw at 2°C or above and completely reconstitute by mild mechanical agitation. Do not use pressurised air for agitation.

For additional information on **Rheofit 1103** admixture, consult your local BASF Construction Chemicals technical representative.



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All BASF Construction Chemicals Australia & New Zealand data sheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue ARfit1103/1/0308

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